

FILE 'REGISTRY' ENTERED AT 09:08:02 ON 05 MAY 2010  
L12                   STRUCTURE UPLOADED  
L13                   1 S L12  
L14                   2 S L11 SSS FULL  
L15                   34 S L12 SSS FULL

FILE 'HCAPLUS' ENTERED AT 09:08:57 ON 05 MAY 2010  
L16                   39 S L15  
L17                   38 S L15/THU  
L18                   52489 S PDE4 OR PDEV OR (PHOSPHODIESTERASE) OR (PDE(W)(IV OR 4)) OR T  
L19                   3 S L17 AND L18

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'HCAPLUS' AT 09:07:50 ON 05 MAY 2010  
FILE 'HCAPLUS' ENTERED AT 09:07:50 ON 05 MAY 2010  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.94	44.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.55	-2.55

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.94	44.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.55	-2.55

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAY 2010 HIGHEST RN 1221227-20-8  
DICTIONARY FILE UPDATES: 3 MAY 2010 HIGHEST RN 1221227-20-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

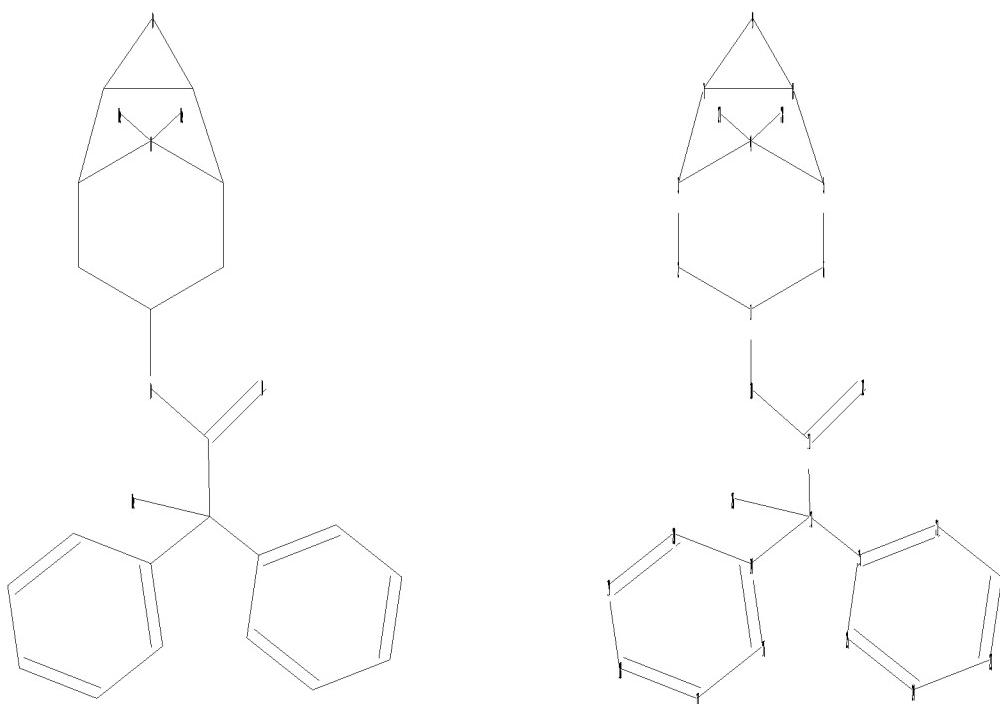
TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\STNEXP\Queries\10614365.str



chain nodes :

10 11 12 13 26 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18 19 20 21 22 23 24 25

chain bonds :

1-10 4-27 4-28 10-11 11-12 11-13 13-14 13-15 13-26

ring bonds :

1-2 1-6 2-3 3-4 3-7 4-5 5-6 5-8 7-8 7-9 8-9 14-16 14-20 15-21 15-25

16-17 17-18 18-19 19-20 21-22 22-23 23-24 24-25

exact/norm bonds :

1-2 1-6 1-10 2-3 3-4 3-7 4-5 5-6 5-8 7-8 7-9 8-9 10-11 11-12

exact bonds :

4-27 4-28 11-13 13-14 13-15 13-26

normalized bonds :

14-16 14-20 15-21 15-25 16-17 17-18 18-19 19-20 21-22 22-23 23-24 24-25

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
 20:Atom 21:Atom  
 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 27:CLASS 28:CLASS

L12 STRUCTURE UPLOADED

=> s l12  
 SAMPLE SEARCH INITIATED 09:08:18 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS  
 SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 2 TO 124  
 PROJECTED ANSWERS: 1 TO 80

L13 1 SEA SSS SAM L12

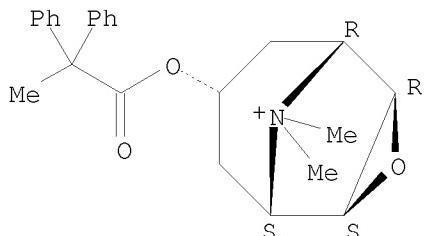
=> d l13 scan

L13 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 3-Oxa-9-azoniatricyclo[3.3.1.02,4]nonane,  
 9,9-dimethyl-7-(1-oxo-2,2-diphenylpropoxy)-,  
 (1 $\alpha$ ,2 $\beta$ ,4 $\beta$ ,5 $\alpha$ ,7 $\beta$ )-, (2E)-2-butenedioate (1:1)  
 (9CI)

MF C24 H28 N O3 . C4 H3 O4

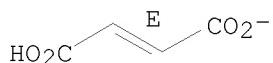
CM 1

Relative stereochemistry.



CM 2

Double bond geometry as shown.



ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss full  
 1 STEVIOL/CN  
 1 ISOSTEVIOL/CN  
 L14 2 STEVIOL/CN OR ISOSTEVIOL/CN

=> s l12 sss full  
 FULL SEARCH INITIATED 09:08:42 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 44 TO ITERATE

100.0% PROCESSED 44 ITERATIONS  
 SEARCH TIME: 00.00.01

34 ANSWERS

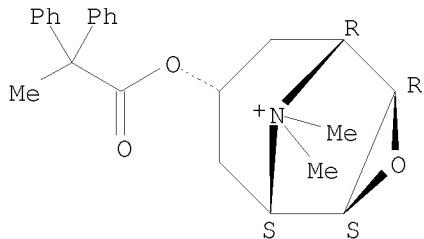
L15 34 SEA SSS FUL L12

=> d 115 scan

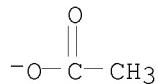
L15 34 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 3-Oxa-9-azoniatricyclo[3.3.1.0<sub>2,4</sub>]nonane,  
9,9-dimethyl-7-(1-oxo-2,2-diphenylpropoxy)-,  
(1<sub>α</sub>,2<sub>β</sub>,4<sub>β</sub>,5<sub>α</sub>,7<sub>β</sub>)-, acetate (1:1)  
MF C<sub>24</sub> H<sub>28</sub> N O<sub>3</sub> . C<sub>2</sub> H<sub>3</sub> O<sub>2</sub>

CM 1

Relative stereochemistry.



CM 2

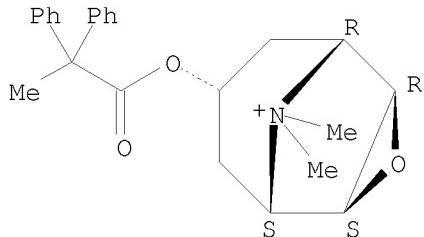


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

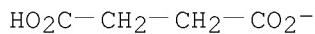
L15 34 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 3-Oxa-9-azoniatricyclo[3.3.1.0<sub>2,4</sub>]nonane,  
9,9-dimethyl-7-(1-oxo-2,2-diphenylpropoxy)-,  
(1<sub>α</sub>,2<sub>β</sub>,4<sub>β</sub>,5<sub>α</sub>,7<sub>β</sub>)-, butanedioate (1:1) (9CI)  
MF C<sub>24</sub> H<sub>28</sub> N O<sub>3</sub> . C<sub>4</sub> H<sub>5</sub> O<sub>4</sub>

CM 1

Relative stereochemistry.



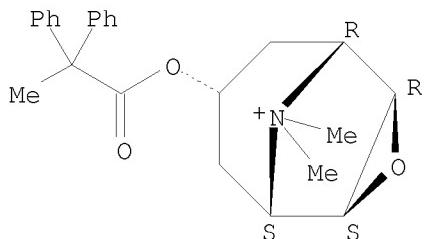
CM 2



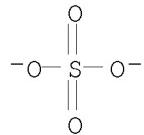
L15 34 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 3-Oxa-9-azoniatricyclo[3.3.1.0<sub>2,4</sub>]nonane,  
9,9-dimethyl-7-(1-oxo-2,2-diphenylpropoxy)-,  
(1<sub>α</sub>,2<sub>β</sub>,4<sub>β</sub>,5<sub>α</sub>,7<sub>β</sub>)-, sulfate (2:1)  
MF C24 H28 N O<sub>3</sub> . 1/2 O<sub>4</sub> S

CM 1

Relative stereochemistry.



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file hcaplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	203.03	247.17
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-2.55

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FILE COVERS 1907 - 5 May 2010 VOL 152 ISS 19  
FILE LAST UPDATED: 4 May 2010 (20100504/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 115  
L16 39 L15

=> s 115/thu  
39 L15  
1238599 THU/RL  
L17 38 L15/THU  
(L15 (L) THU/RL)

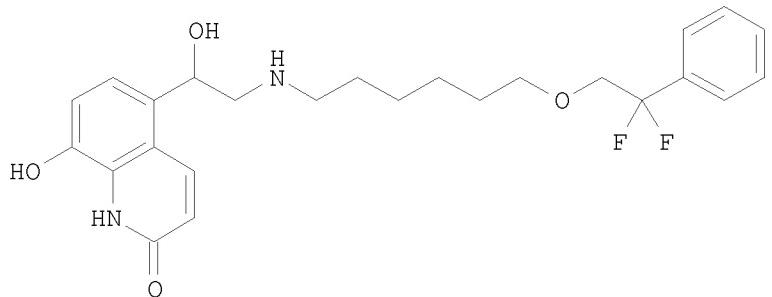
=> s PDE4 or PDEV or (phosphodiesterase) or (PDE(W)(IV or 4)) or theophylline or enprofylline or rollumilast or tofimilast  
1819 PDE4  
19 PDEV  
30581 PHOSPHODIESTERASE  
6561 PDE  
570987 IV  
6443956 4  
925 PDE(W)(IV OR 4)  
23486 THEOPHYLLINE  
306 ENPROFYLLINE  
0 ROLLUMILAST  
16 TOFIMILAST  
L18 52489 PDE4 OR PDEV OR (PHOSPHODIESTERASE) OR (PDE(W)(IV OR 4)) OR THEO PHYLLINE OR ENPROFYLLINE OR ROLLUMILAST OR TOFIMILAST

=> s l17 and l18  
L19 3 L17 AND L18

=> d 119 1-3 ti abs bib

L19 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2010 ACS on STN  
TI Napadisylate salt of 5-(2-{[6-(2,2-difluoro-2-phenylethoxy)hexyl]amino}-1-hydroxyethyl)-8-hydroxyquinolin-2(1H)-one as agonist of the beta 2 adrenergic receptor

GI



AB The present invention is directed to crystalline mononapadisylate and/or heminapadisylate salt of 5-(2-{[6-(2,2-difluoro-2-phenylethoxy)hexyl]amino}-1-hydroxyethyl)-8-hydroxyquinolin-2(1H)-one (I) and pharmaceutically acceptable solvates thereof.

Naphthalene-1,5-disulfonic acid tetrahydrate is added to a heated solution of I in methanol to give I heminapadisylate salt. Inhalation pharmaceutical formulations are given containing I napadisylate salt.

AN 2008:974352 HCAPLUS <>LOGINID::20100505>>

DN 149:252424

TI Napadisylate salt of 5-(2-{[6-(2,2-difluoro-2-phenylethoxy)hexyl]amino}-1-hydroxyethyl)-8-hydroxyquinolin-2(1H)-one as agonist of the beta 2 adrenergic receptor

IN Puig Duran, Carlos; Moyes Valls, Enrique

PA Laboratorios Almirall S.A., Spain

SO PCT Int. Appl., 32pp.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008095720	A1	20080814	WO 2008-EP975	20080208
	W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	ES 2306595	A1	20081101	ES 2007-362	20070209
	ES 2306595	B1	20090911		
AU	2008213109	A1	20080814	AU 2008-213109	20080208
CA	2677610	A1	20080814	CA 2008-2677610	20080208
KR	2009111321	A	20091026	KR 2009-716590	20080208
EP	2121615	A1	20091125	EP 2008-707620	20080208
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				
CN	101679269	A	20100324	CN 2008-80004323	20090806
MX	2009008462	A	20090916	MX 2009-8462	20090807
US	20100093681	A1	20100415	US 2009-526090	20091008

PRAI ES 2007-362 A 20070209  
WO 2008-EP975 W 20080208

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2010 ACS on STN  
TI New pharmaceutical compositions for treatment of respiratory and gastrointestinal disorders  
AB The present invention relates to novel pharmaceutical compns. comprising at least one EGFR kinase inhibitor and at least one addnl. active compound selected from beta-2 mimetics, steroids, PDE-IV inhibitors, p38 MAP kinase inhibitors, NK1 antagonists, anticholinergics and endothelin antagonists, processes for preparing the compns. and the use thereof as medicament in the treatment of respiratory or gastrointestinal complaints, as well as inflammatory diseases of the joints, the skin or the eyes.  
AN 2008:529495 HCAPLUS <<LOGINID::20100505>>  
DN 148:509924  
TI New pharmaceutical compositions for treatment of respiratory and gastrointestinal disorders  
IN Jung, Birgit; Himmelsbach, Frank; Pohl, Gerald  
PA Boehringer Ingelheim International GmbH, Germany; Boehringer Ingelheim Pharma GmbH & Co.Kg  
SO PCT Int. Appl., 96pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008049842	A2	20080502	WO 2007-EP61355	20071023
	WO 2008049842	A3	20080918		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	CA 2667543	A1	20080502	CA 2007-2667543	20071023
	EP 2086641	A2	20090812	EP 2007-821719	20071023
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	JP 2010507617	T	20100311	JP 2009-533814	20071023
	US 20100099651	A1	20100422	US 2009-446794	20090618
PRAI	US 2006-862990P	P	20061026		
	WO 2007-EP61355	W	20071023		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L19 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2010 ACS on STN  
TI Pharmaceutical compositions comprising anticholinergic agents and phosphodiesterase IV (PDE-IV) inhibitors for the treatment of respiratory diseases  
AB The invention provides pharmaceutical compns. comprising anticholinergic

agents and PDE-IV inhibitors, as well as a method for the production and use thereof in the treatment of respiratory diseases. Powder inhalant formulations are included.

AN 2004:41257 HCPLUS <<LOGINID::20100505>>

DN 140:87709

TI Pharmaceutical compositions comprising anticholinergic agents and phosphodiesterase IV (PDE-IV) inhibitors for the treatment of respiratory diseases

IN Pairet, Michel; Meade, Christopher John Montague; Pieper, Michael P.

PA Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004004704	A1	20040115	WO 2003-EP6668	20030625
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	DE 10230769	A1	20040122	DE 2002-10230769	20020709
	CA 2492026	A1	20040115	CA 2003-2492026	20030625
	AU 2003242755	A1	20040123	AU 2003-242755	20030625
	EP 1521576	A1	20050413	EP 2003-762509	20030625
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	JP 2005532379	T	20051027	JP 2004-518566	20030625
	US 20040058950	A1	20040325	US 2003-614365	20030707
PRAI	DE 2002-10230769	A	20020709		
	US 2002-407895P	P	20020903		
	WO 2003-EP6668	W	20030625		

OS MARPAT 140:87709

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT